



AMENDED DECLARATION FOR PATENT APPLICATION

As a ~~being~~ named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

X was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
_____	_____	_____
		(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
_____	_____	_____
		(patented, pending, abandoned)

RECEIVED

OCT 04 2001

Direct all telephone calls to Gary S. Williams at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

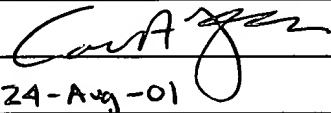
File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **sole or**  
**first** inventor:

CARL A. WALDSPURGER

Inventor's signature:



Date:

24-Aug-01

Residence:

27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

27 PARK DRIVE

ATHERTON, CALIFORNIA 94027

Full name of  
**second** inventor:

WILLIAM E. WEIHL

Inventor's signature:

Date:

Residence:

280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

280 CLIPPER STREET

SAN FRANCISCO, CALIFORNIA 94111

Full name of  
**third** inventor: MICHAEL BURROWS

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
**fourth** inventor: ULFAR ERLINGSSON

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Freyjugata 10, IS-101 Reykjavik, Iceland

Citizenship: ICELAND

Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
**fifth** inventor: ANDREI Z. BRODER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025

Full name of

**sixth** inventor: MICHAEL MITZENMACHER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 9 BATES ROAD, LEXINGTON, MA 02421

Citizenship: U.S.A.

Post Office Address: 9 BATES ROAD

LEXINGTON, MA 02421



AMENDED DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

X was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
_____	_____	(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
_____	_____	(patented, pending, abandoned)

Direct all telephone calls to Gary S. Williams at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **sole or**  
**first** inventor:

CARL A. WALDSPURGER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

27 PARK DRIVE

ATHERTON, CALIFORNIA 94027

Full name of

**second** inventor:

WILLIAM E. WEIHL

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

280 CLIPPER STREET

SAN FRANCISCO, CALIFORNIA 94111

Full name of  
**third** inventor: MICHAEL BURROWS

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
**fourth** inventor: ULFAR ERLINGSSON

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Freyjugata 10, IS-101 Reykjavik, Iceland

Citizenship: ICELAND

Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
**fifth** inventor: ANDREI Z. BRODER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025

Full name of  
sixth inventor: MICHAEL MITZENMACHER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 9 BATES ROAD, LEXINGTON, MA 02421

Citizenship: U.S.A.

Post Office Address: 9 BATES ROAD  
LEXINGTON, MA 02421





AMENDED DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

X was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status)
		(patented, pending, abandoned)

Technology Center 2100

OCT 04 2001

RECEIVED

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

Direct all telephone calls to **Gary S. Williams** at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **sole or first** inventor: CARL A. WALDSPURGER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 27 PARK DRIVE  
ATHERTON, CALIFORNIA 94027

Full name of **second** inventor: WILLIAM E. WEIHL

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 280 CLIPPER STREET  
SAN FRANCISCO, CALIFORNIA 94111

Full name of  
**third** inventor: MICHAEL BURROWS

Inventor's signature: M. Burrows

Date: 14th May 2001

Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
**fourth** inventor: ULFAR ERLINGSSON

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Freyjugata 10, IS-101 Reykjavik, Iceland

Citizenship: ICELAND

Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
**fifth** inventor: ANDREI Z. BRODER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025

Full name of

**sixth** inventor: MICHAEL MITZENMACHER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 9 BATES ROAD, LEXINGTON, MA 02421

Citizenship: U.S.A.

Post Office Address: 9 BATES ROAD

LEXINGTON, MA 02421



# AMENDED DECLARATION FOR PATENT APPLICATION

As a ~~sole~~ named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

X was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

(patented, pending, abandoned)

Technology Center 2100

UC: 0 4 2001

RECEIVED

Direct all telephone calls to Gary S. Williams at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or  
first inventor:

CARL A. WALDSPURGER

Inventor's signature:

Date:

Residence:

27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

27 PARK DRIVE

ATHERTON, CALIFORNIA 94027

Full name of

second inventor:

WILLIAM E. WEIHL

Inventor's signature:

Date:

Residence:

280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

280 CLIPPER STREET

SAN FRANCISCO, CALIFORNIA 94111

Full name of  
third inventor: MICHAEL BURROWS

Inventor's signature: \_\_\_\_\_

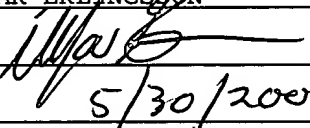
Date: \_\_\_\_\_

Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
fourth inventor: ULFAR ERLINGSSON

Inventor's signature: 

Date: 5/30/2001

Residence: Freyjugata 10, IS-101 Reykjavik, Iceland

Citizenship: ICELAND

Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
fifth inventor: ANDREI Z. BRODER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025



Full name of  
sixth inventor: MICHAEL MITZENMACHER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 9 BATES ROAD, LEXINGTON, MA 02421

Citizenship: U.S.A.

Post Office Address: 9 BATES ROAD  
LEXINGTON, MA 02421



# AMENDED DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

X was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

patented, pending, abandoned)

Technology Center 2100

OCT 04 2001

RECEIVED

Direct all telephone calls to **Gary S. Williams** at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **sole or first** inventor:

CARL A. WALDSPURGER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

27 PARK DRIVE

ATHERTON, CALIFORNIA 94027

Full name of

**second** inventor:

WILLIAM E. WEIHL

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

280 CLIPPER STREET

SAN FRANCISCO, CALIFORNIA 94111

Full name of  
**third** inventor: MICHAEL BURROWS  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA  
Citizenship: U.S.A.  
Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
**fourth** inventor: ULFAR ERLINGSSON  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Residence: Freyjugata 10, IS-101 Reykjavik, Iceland  
Citizenship: ICELAND  
Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
**fifth** inventor: ANDREI Z. BRODER  
Inventor's signature: Andrei Broder  
Date: 8/8/2000  
Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA  
Citizenship: U.S.A.  
Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025

*sixth* ~~seventh~~ Full name of  
inventor: MICHAEL MITZENMACHER  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Residence: 105 HAMMOND ROAD, #1, BELMONT, MARYLAND  
Citizenship: U.S.A.  
Post Office Address: 105 HAMMOND ROAD, #1  
BELMONT, MARYLAND 02478



AMENDED DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING, the specification of which

(check one)        is attached hereto.

  X   was filed on September 22, 1999 as  
Application Serial No. 09/401,616  
and was amended on                     .  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
----------	-----------	------------------------	-----	----

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
----------	-----------	------------------------	-----	----

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
		patented, pending, abandoned)

Direct all telephone calls to Gary S. Williams at (650) 493-4935.

Address all correspondence to:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

File No. 9772-0031-999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or  
first inventor:

CARL A. WALDSPURGER

Inventor's signature:

Date:

Residence:

27 PARK DRIVE, ATHERTON, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

27 PARK DRIVE

ATHERTON, CALIFORNIA 94027

Full name of

second inventor:

WILLIAM E. WEIHL

Inventor's signature:

Date:

Residence:

280 CLIPPER STREET, SAN FRANCISCO, CALIFORNIA

Citizenship:

U.S.A.

Post Office Address:

280 CLIPPER STREET

SAN FRANCISCO, CALIFORNIA 94111

Full name of  
third inventor: MICHAEL BURROWS

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 3143 DAVID COURT, PALO ALTO, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 3143 DAVID COURT  
PALO ALTO, CALIFORNIA 94303

Full name of  
fourth inventor: ULFAR ERLINGSSON

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Freyjugata 10, IS-101 Reykjavik, Iceland

Citizenship: ICELAND

Post Office Address: Freyjugata 10  
IS-101 Reykjavik, Iceland

Full name of  
fifth inventor: ANDREI Z. BRODER

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 600 B SHARON PARK DRIVE, MENLO PARK, CALIFORNIA

Citizenship: U.S.A.

Post Office Address: 600 B SHARON PARK DRIVE, #206  
MENLO PARK, CALIFORNIA 94025

Full name of  
sixth inventor: MICHAEL MITZENMACHER

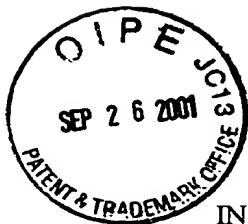
Inventor's signature: *Michael Mitzenmacher*

Date: 5/14/01

Residence: 9 BATES ROAD, LEXINGTON, MA 02421

Citizenship: U.S.A.

Post Office Address: 9 BATES ROAD  
LEXINGTON, MA 02421



09-28-01

#4  
212  
10-5-01

EXPRESS MAIL: EL 452 481 357 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:  
WALDSPURGER et al.

Application No.: 09/401,616

Filed: September 22, 1999

For: *Efficient, Transparent and Flexible  
Value Sampling*

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

Attorney Docket No.: 9772-0031-999

REQUEST TO AMEND INVENTORSHIP

Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
OCT 04 2001  
Technology Center 2100

Sir:

Applicants' attorney hereby requests, pursuant to 37 C.F.R. §1.48(a), to amend the above-identified application by adding as joint inventors Andrei Z. Broder and Michael Mitzenmacher.

In support of this request, enclosed herewith is a statement from Andrei Z. Broder and Michael Mitzenmacher that the error in inventorship occurred without deceptive intention on his part; a Declaration by the actual inventors as required by 37 C.F.R. §1.63; written consent of the assignee; and an Assignment executed by Andrei Z. Broder and Michael Mitzenmacher to Compaq Computer Corporation; and the fee of \$130 pursuant to 37 C.F.R. §1.17(i).

It is respectfully submitted that this request and the documents in support thereof establish that the above-identified application was filed through error without deceptive intent, and that the application be amended to add Andrei Z. Broder and Michael Mitzenmacher as joint inventors.

The Commissioner is hereby authorized to charge any required fees, or credit any overpayments to our Deposit Account No. 16-1150 (order no. 9772-0031-999). A copy of this sheet is enclosed for such purpose.

Respectfully submitted,

Date September 26, 2001

Gary S. Williams

31,066

(Reg. No.)

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, CA 94304  
(650) 493-4935





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: ) Art Unit: 2784  
)  
WALDSPURGER *et al.* )  
)  
Serial No. 09/401,616 ) Examiner:  
)  
Filed: September 22, 1999 )  
)  
For: EFFICIENT, TRANSPARENT AND )  
FLEXIBLE VALUE SAMPLING )  
\_\_\_\_\_ )

**DECLARATION OF ANDREI Z. BRODER**  
**PURSUANT TO 37 CFR 1.48(a)**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**RECEIVED**

OCT 04 2001

Sir:

**Technology Center 2100**

I, declare that:

1. I am an actual inventor of the subject matter disclosed and claimed in the above-identified application.

2. Through error without deceptive intent on my part, the executed oath and declaration filed for this application omitted to name me as a joint inventor.

Date: 8/8/2000.

A. Broder  
Andrei Z. Broder



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: ) Art Unit: 2784  
)  
WALDSPURGER *et al.* )  
)  
Serial No. 09/401,616 ) Examiner:  
)  
Filed: September 22, 1999 )  
)  
For: EFFICIENT, TRANSPARENT AND )  
FLEXIBLE VALUE SAMPLING )  
\_\_\_\_\_ )

**DECLARATION OF MICHAEL MITZENMACHER**  
**PURSUANT TO 37 CFR 1.48(a)**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**RECEIVED**  
OCT 04 2001  
Technology Center 2100

I, declare that:

1. I am an actual inventor of the subject matter disclosed and claimed in the above-identified application.
2. Through error without deceptive intent on my part, the executed oath and declaration filed for this application omitted to name me as a joint inventor.

Date: May 14, 2001

Michael Mitzenmacher  
Michael Mitzenmacher



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:  
WALDSPURGER et al.

Application No.: 09/401,616

Filed: September 22, 1999

For: *Efficient, Transparent and Flexible  
Value Sampling*

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

Attorney Docket No.: 9772-0031-999

CONSENT OF ASSIGNEE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The assignee of record, COMPAQ COMPUTER CORPORATION/DIGITAL EQUIPMENT CORPORATION, hereby consents to the amendment of inventorship, adding Andrei Z. Broder and Michael Mitzenmacher as joint inventors in the above identified application.

COMPAQ COMPUTER CORPORATION/  
DIGITAL EQUIPMENT CORPORATION


Date: 20 Sep 01

By:

Richard P. Lange  
Richard P. Lange  
Assistant Secretary

Express Mail No. EL 452 481 357 USRECORDATION FORM COVER SHEET  
**PATENTS ONLY**Attorney Docket Number  
9772-0031-999TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b>  <u>Andrei Z. BroderMichael Mitzenmacher</u>  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b>  Name: <u>Compaq Computer Corporation</u>  Address: <u>20555 S.H. 249</u> <u>Legal Department, MC 110701</u> <u>Houston, TX</u>  Country (if other than USA): _____	
<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>8/8/00 and 5/15/01, respectively</u>			
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: _____  A. Patent Application No.(s) <u>09/401,616</u>   B. Patent No.(s) _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  <u>PENNIE &amp; EDMONDS LLP</u> <u>3300 Hillview Avenue</u> <u>Palo Alto, CA 94304</u>		<b>6. Number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 3.41):</b> .....\$ <u>40.00</u> Please charge to the deposit account listed in Section 8.  <b>8. Deposit account number:</b> <u>16-1150</u>	
<b>DO NOT USE THIS SPACE</b>			
<b>9. Statement and signature.</b>  <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  <u>Gary S. Williams</u> <u>31,066</u> <u></u> <u>September 26, 2001</u> Name of Person Signing Reg. No. Signature Date  Total number of pages including cover sheet: <u>7</u>			

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Attorney Docket Number  
9772-0031-999

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Andrei Z. BroderMichael Mitzenmacher

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: 8/8/00 and 5/15/01, respectively

2. Name and address of receiving party(ies):

Name: Compaq Computer Corporation

Address: 20555 S.H. 249

Legal Department, MC 110701

Houston, TX

Country (if other than USA): \_\_\_\_\_

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/401,616

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, CA 94304

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Please charge to the deposit account listed in Section 8.

8. Deposit account number:

16-1150

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Gary S. Williams

Name of Person Signing

31,066

Reg. No.

Signature

September 26, 2001

Date

Total number of pages including cover sheet:

7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, WE, **ANDREI Z. BRODER**, a resident of Menlo Park, California, a citizen of the United States and **MICHAEL MITZENMACHER**, a resident of Belmont, Maryland, a citizen of the United States; (hereinafter "ASSIGNORS"), have invented certain new and useful improvements in **EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING** having executed concurrently herewith an application for a United States patent disclosing and identifying the invention; which is identified by Pennie & Edmonds LLP docket no. 9772-0031-999; and

WHEREAS, **COMPAQ COMPUTER CORPORATION**, a corporation created and existing under and by virtue of the laws of the State of Delaware is (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the aforesaid application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said application for U.S. Letters Patent, and any and all divisions, continuations and renewals thereof, and any and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding on said Inventors, their heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, said Inventors have executed and delivered this instrument to said Assignee the day and year below written.

1.

Andrei Z. Broder

ANDREI Z. BRODER

State of California )

) SS.:

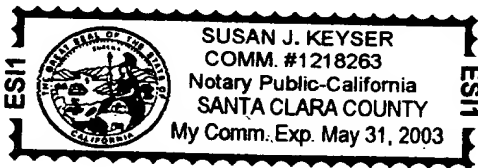
County of Santa Clara )

On this 8th day of August, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Andrei Z. Broder personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Susan J. Keyser

Seal:



Notary Public.

MICHAEL MITZENMACHER

State of Maryland )  
 ) SS.:  
County of \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Michael Mitzenmacher, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

**WITNESS my hand and official seal.**

Seal:

**Notary Public.**



**JOINT**

**ASSIGNMENT**

WHEREAS, WE, **ANDREI Z. BRODER**, a resident of Menlo Park, California, a citizen of the United States and **MICHAEL MITZENMACHER**, a resident of Lexington, Massachusetts, a citizen of the United States; (hereinafter "ASSIGNORS"), have invented certain new and useful improvements in **EFFICIENT, TRANSPARENT AND FLEXIBLE VALUE SAMPLING** having executed concurrently herewith an application for a United States patent disclosing and identifying the invention; which is identified by Pennie & Edmonds LLP docket no. 9772-0031-999; and

WHEREAS, **COMPAQ COMPUTER CORPORATION**, a corporation created and existing under and by virtue of the laws of the State of Delaware is (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the aforesaid application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said application for U.S. Letters Patent, and any and all divisions, continuations and renewals thereof, and any and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, said Inventors have executed and delivered this instrument to said Assignee the day and year below written.

On this \_\_\_\_ day of \_\_\_\_\_, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Andrei Z. Broder personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Public.

2.

*not atty May 19, 2001*

MICHAEL MITZENMACHER

State of ~~Maryland~~ Massachusetts  
County of Middlesex ) SS.:  
)

On this 15<sup>th</sup> day of May, 2001, ~~2000~~, before me, a Notary Public in and for the State and County aforesaid, personally appeared Michael Mitzenmacher, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**Caroline Marie Gavin**  
NOTARY PUBLIC  
My commission expires Jan. 19, 2007

*Caroline Marie Gavin*

Notary Public.

